

Curriculum Vitae

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EDUCATION: Ph.D. Physical Oceanography 1989  
University of Washington

B.A. Mathematics 1982  
San Francisco State University

PRESENT POSITIONS: Oceanographer  
(1991-1995 GS-13; 1995 - present GS-14)  
Ocean Climate Research Division  
Pacific Marine Environmental Laboratory  
Seattle, Wa  
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Affiliate Associate Professor of Oceanography  
School of Oceanography, University of Washington  
(1994-97 Assistant; 1997 - present Associate)

PREVIOUS POSITIONS: Postdoctoral Investigator (Sep 89 - May 91)  
Department of Physical Oceanography  
Woods Hole Oceanographic Institution

Postdoctoral Associate (Mar 89 - Aug 89)  
Joint Institute for the Study of the Atmosphere and Ocean  
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Graduate Research Assistant (Sep 83 - Feb 89)  
School of Oceanography  
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PRESENT SERVICE: International CLIVAR Upper Ocean Panel  
U.S. CLIVAR Scientific Steering Committee  
U.S. CLIVAR Pacific Implementation Panel  
TAO Implementation Panel  
Associate Editor, JGR-Oceans

REFEREED PUBLICATIONS:

- Kessler, W.S., 2000: Thermal structure and geostrophic currents in the east Pacific warm pool. Manuscript in preparation.
- Cronin, M.F. and Kessler, W.S., 2000: Seasonal and interannual modulation of mixed layer variability at  $0^{\circ}$ ,  $110^{\circ}\text{W}$ . *Deep-Sea Res.*, submitted.
- Kessler, W.S., 2000: Are EOF-based descriptions of the Madden-Julian Oscillation relevant to its role in ENSO? *J.Climate*, submitted.
- Kessler, W.S. and R. Kleeman, 2000: Rectification of the Madden-Julian Oscillation into the ENSO cycle. *J.Climate*, in press.
- Kessler, W.S., 1999: Interannual variability in the subsurface high-salinity tongue south of the equator at  $165^{\circ}\text{E}$ . *J.Phys.Oceanogr.*, **29**, 2038-2049.
- Kessler, W.S., L.M. Rothstein and D. Chen, 1998. The annual cycle of SST in the eastern tropical Pacific, diagnosed in an ocean GCM. *J.Climate*, **11**, 777-799.
- Moore, D.W., R.C. Kloosterziel and W.S. Kessler, 1998. The evolution of mixed Rossby-gravity waves. *J.Geophys.Res.*, **103**, 5331-5346.
- Kessler, W.S., M.C. Spillane, D.E. Harrison and M.J. McPhaden, 1996. Scales of variability in the equatorial Pacific inferred from the TAO buoy array. *J.Climate*, **9**, 2999-3024.
- Kessler, W.S. and M.J. McPhaden, 1995a. Oceanic equatorial waves and the 1991-93 El Niño. *J. Climate*, **8**, 1757-1774.
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- Kessler, W.S., M.J. McPhaden and K.M. Weickmann, 1995. Forcing of intraseasonal Kelvin waves in the equatorial Pacific. *J. Geophys. Res (Oceans)*, **C100**, 10,613-10,631.
- Kessler, W.S. and J.P. McCreary, 1993. The annual wind-driven Rossby wave in the subthermocline equatorial Pacific. *J. Phys. Oceanogr.*, **23**, 1192-1207.
- Kessler, W.S., 1991. Can reflected extra-equatorial Rossby waves drive ENSO? *J. Phys. Oceanogr.*, **21**, 444-452.
- Taft, B.A. and W.S. Kessler, 1991. Variations of zonal currents in the central tropical Pacific during 1970 to 1987: Sea level and dynamic height measurements. *J. Geophys. Res.*, **96**, 12599-12618.
- Kessler, W.S., 1990. Observations of long Rossby waves in the northern tropical Pacific. *J. Geophys. Res.*, **95**, 5183-5217.
- Harrison, D.E., W.S. Kessler and B.S. Giese, 1989. Ocean circulation model hindcasts of the 1982-83 El Niño: Thermal variability along the ship of opportunity tracks. *J. Phys. Oceanogr.*, **19**, 397-419.
- Kessler, W.S. and B.A. Taft, 1987. Dynamic heights and zonal geostrophic transports in the central tropical Pacific during 1979-1985. *J. Phys. Oceanogr.*, **17**, 97-122.

OTHER PUBLICATIONS:

- Davis, R.E., W.S. Kessler, R. Lukas and R. Weller, et al., 2000: Implementing the Pacific Basin Extended Climate Study (PBECs). U.S. CLIVAR, 113 pp.
- Kessler, W.S., Davis, R.E., Takeuchi, K. and R. Lukas, 1999: The Pacific Basin Extended Climate Study. In: The Ocean Observing System for Climate (Oceanobs-99). CSIRO, Melbourne.
- Lukas, R., R.E. Davis and W.S. Kessler, 1998: Prospectus for a Pacific Basinwide Extended Climate Study. Texas A&M University, 36 pp.
- Kessler, W.S., 1989. Observations of long Rossby waves in the northern tropical Pacific. NOAA Technical Memorandum, ERL-PMEL-86, 169 pp.
- Harrison, D.E., W.S. Kessler and B.S. Giese, 1988. Model-data comparisons for the 1982-83 El Niño: the XBT tracks. NOAA Tech. Mem., ERL-PMEL-79, 61 pp.
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- Kessler, W.S., B.A. Taft and M.J. McPhaden, 1985. Assessment of the XBT sampling network in the central Pacific. Univ. Corp. Atmos. Res., US TOGA 4, 62 pp.

GRADUATE STUDENTS:

- Masters committee chair (advisor) for Mr. Shuguang Song, School of Oceanography, University of Washington
- Masters committee for Mr. Steve Goodson, School of Oceanography, University of Washington
- Masters committee for Mr. Gabriel Vecchi, School of Oceanography, University of Washington
- Doctoral committee for Dr. Weimin Wang, School of Oceanography, University of Washington